

## **Preliminary Agenda 02/11/03**

### **Minerals Management Service (MMS) – Alaska Outer Continental Shelf (OCS) Region** **9<sup>th</sup> Information Transfer Meeting (ITM): March 10-12, 2003** **Sheraton Anchorage Hotel**

#### **Agenda**

#### **Monday March 10, 2003**

8:00 am      Registration

8:45 am      **Minerals Management Service Introduction**

**Welcome to the ITM and the Alaska Environmental Studies Program** (*10 minutes*)

Cleve Cowles, Ph.D, Chief, Environmental Studies Section, Minerals Management Service,  
Alaska Outer Continental Shelf (OCS) Region

**Alaska OCS Region Activities and Environmental Assessment Processes** (*15 minutes*)

Mr. Paul Stang, Regional Supervisor for Leasing and Environment, MMS, Alaska OCS Region

Questions and Answers of MMS speakers (*5 minutes*)

*Presentations below will be 20 minutes followed by 10 minutes questions and answers (Q&A) unless otherwise noted.*

#### **Physical Oceanography**

9:15 am      **Water and Ice Dynamics in Cook Inlet**

*(Combine/coordinate with presentation on next study below.*

*15 minute presentation on this one plus 10 minutes Q&A for both.)*

Mark Johnson, Ph.D., School of Fisheries and Ocean Sciences, University of Alaska Fairbanks (UAF)

**Measurements of Temperature, Salinity, and Circulation in Cook Inlet, Alaska**

*(5 minute presentation on this one.)*

Steve Okkonen, Ph.D., Institute of Marine Sciences, UAF

9:45 am      **Break**

10:00 am      **Synthesis and Collection of Meteorological Data in the Near Shore Beaufort Sea**

Steve Mackey, Hoefler Consulting Group

10:30 am      **Alaska Sea Ice Atlas**

Orson Smith, Ph.D. and William J. Lee, UAA School of Engineering

11:00 am      **Beaufort Nearshore Under-Ice Currents**

Tom Weingartner, Ph.D., Institute of Marine Science, UAF, *Presented by Steve Okkonen, Ph.D.*

11:30 am      **Summary of Workshop on Physical Oceanography in the Beaufort Sea**

*(10 minute presentation, 5 minutes Q&A)*

Tom Weingartner, Ph.D., Institute of Marine Science, UAF, *Presented by Steve Okkonen, Ph.D.*

11:45 am        **Lunch**

### **Arctic Nearshore Impact Monitoring in Development Area (ANIMIDA)**

- 1:00 pm        **ANIMIDA Introduction** (*15 minutes; Q&A deferred to subtopics*)  
Paul Boehm, Ph.D., Battelle, Coastal Resources and Ecosystems Management
- 1:15 pm        **ANIMIDA Subtopic: Hydrocarbon and Metal Characterization of Sediments, Bivalves and Amphipods**  
Mr. John Brown , Battelle, Coastal Resources and Ecosystems Management
- 1:45 pm        **ANIMIDA Subtopic: Sources, Concentrations, and Dispersion Pathways for Suspended Sediment**  
John Trefry, Ph.D., Division of Marine and Environmental Systems, Oceanography Program, Florida Institute of Technology
- 2:15 pm        **ANIMIDA Subtopic: Partitioning of Potential Contaminants Between Dissolved and Particulate Phases**  
Robert Rember, Ph.D., Division of Marine and Environmental Systems, Oceanography Program, Florida Institute of Technology
- 2:45 pm        **ANIMIDA Subtopic: Monitoring in the Boulder Patch**  
Ken Dunton, Ph.D., University of Texas at Austin, Marine Science Institute
- 3:15 pm        **Break**
- 3:30 pm        **ANIMIDA Subtopic: Baseline Characterization of Anthropogenic Contaminants in Biota**  
Bob Spies, Ph.D., Applied Marine Sciences
- \*                **ANIMIDA Subtopic: Annual Assessment of Subsistence Whaling Near Cross Island**  
*(\*For presentation time see Social Science and Economics discipline section on day 3)*

### **Fate and Effects**

- 4:00 pm        **A Nowcast/Forecast Model for the Beaufort Sea Ice-Ocean-Oil Spill System**  
Jia Wang, Ph.D., International Arctic Research Center, Frontier Research System for Global Change, UAF
- 4:30 pm        **Workshop on Sea Ice Circulation/Interaction Modeling for Nearshore Beaufort and Chukchi Sea** (*10 minutes presentation 5 minutes Q&A*)  
Jia Wang, Ph.D., International Arctic Research Center, Frontier Research System for Global Change, UAF
- 4:45 pm        **End of Day One**

**Tuesday March 11, 2003**

**Fate And Effects (continued)**

- 8:00 am            Registration
- 8:30 am            **Environmental Sensitivity Index Shoreline Classification in the Arctic**  
Ed Owens, Polaris Applied Sciences, Inc.
- 9:00 am            **Petroleum Hydrocarbon Degrading Communities in Beaufort Sea Sediments**  
Joan Braddock, Ph.D., Institute of Arctic Biology, UAF
- 9:30 am            **Trace Metals and Hydrocarbons in Sediments of Elson Lagoon (Barrow, Northwest Arctic Alaska) as Related to Prudhoe Bay Industrial Region**  
Sathy Naidu, Ph.D., Institute of Marine Science, UAF and M. Indira Venkatesan, Ph.D., Institute of Geophysics and Planetary Physics, University of California at Los Angeles
- 10:00 am          **Break**

**Biology**

- 10:15 am          **Recently Initiated Coastal Marine Institute Biological/Ecological Studies:**
- **Role of Grazers on the Recolonization of Hard-Bottom Communities in the Alaska Beaufort**
  - **Susceptibility of Sea Ice Biota to Disturbances in the Shallow Beaufort Sea, Phase I: Biological Coupling of Sea Ice with Pelagic and Benthic Realms**
  - **King and Common Eider Migrations Past Point Barrow**
  - **Population Structure of Common Eiders Nesting on Coastal Barrier Islands Adjacent to Oil Facilities in the Beaufort Sea**
  - **Breeding Biology and Habitat Use of King Eiders on the Coastal Plain of Northern Alaska**
- Vera Alexander, Ph.D., Director, Coastal Marine Institute, UAF
- 10:45 am          **Modeling Recovery Rates for Avian Populations**  
James Barry Grand, Ph.D., Alabama Cooperative Fish & Wildlife Research Unit, Auburn University

**Protected Species**

- 11:15 am          **Monitoring Beaufort Sea Waterfowl and Marine Birds**  
Paul Flint, Ph.D., U.S. Geological Survey (USGS), Biological Resources Division
- 11:45 am          **Lunch**
- 1:00 pm            **Use of the Beaufort Sea by King Eiders**  
Abby Powell, Ph.D., Institute of Arctic Biology, UAF
- 1:30 pm            **Monitoring the Distribution of Arctic Whales**  
Mr. Steve Treacy, MMS, Alaska
- 2:00 pm            **Bowhead Whale Feeding in the Eastern Alaskan Beaufort Sea: Update of Scientific and Traditional Information**  
John Richardson, Ph.D., LGL Ltd., Environmental Research Associates

- 2:30 pm      **Reference Manual and GIS Overlays of Oil-Industry and Other Human Activity (1979-1998) in the Beaufort Sea** (*15 minute presentation*)  
Mr. Peter Wainwright, LGL Ltd., *Presented by W. John Richardson*
- Analysis of Covariance of Human Activities and Sea Ice in Relation to Fall Migrations of Bowhead Whales** (*5 minutes of presentation, then 10 minutes of Q&A for both presentations*)  
W. John Richardson, Ph.D., LGL Ltd.
- 3:00 pm      **Break**
- 3:15 pm      **Correction Factor for Ringed Seal Surveys in Northern Alaska and Timing and Re-interpretation of Ringed Seal Surveys**  
Oriana Harding, Juneau Center, School of Fisheries and Ocean Science, University of Alaska Southeast
- 3:45 pm      **Polar Bear Den Surveys**  
Steve Amstrup, Ph.D., USGS, Biological Resources Division,
- 4:15 pm      **Use of Sea Ice Habitat by Polar Bears in the Southern Beaufort Sea**  
George M. Durner (and Steve Amstrup, Ph.D.), USGS, Biological Resources Division
- 4:45 pm      **End of Day Two**

### **Wednesday, March 12**

#### **Protected Species (continued)**

- 7:30 am      Registration
- 8:00 am      **Satellite Tracking of Eastern Chukchi Sea Beluga Whales in the Beaufort Sea and Arctic Ocean**  
Robert Suydam, Ph.D., North Slope Borough, Department of Wildlife Management
- 8:30 am      **Alaska Marine Mammal Tissue Archival Project: Website Development**  
Geoff York, USGS, Biological Resources Division
- 9:00 am      **Demography and Behavior of Polar Bears Feeding on Stranded Marine Mammal Carcasses**  
Ms. Susi Kalxdorff, U.S. Fish and Wildlife Service
- 9:30 am      **Break**

#### **Social Science and Economics**

- 9:45 am      **Publication of a Book/Synthesis on the Socioeconomic Effects of Oil and Gas Industry Activity on the Alaska OCS**  
Mr. Stephen R. Braund, Stephen R. Braund & Associates
- 10:15 am      **Quantitative Description of Potential Impacts of OCS Activities on Bowhead Whale Hunting and Subsistence Activities in the Beaufort Sea**  
Michael Downs, Ph.D., and John Russell, Ph.D., EDAW, Inc.

- 10:45 am      **Subsistence Mapping at Nuiqsut, Kaktovik, Barrow, and Wainwright: Past and Present Comparison**  
Mr. Stephen R. Braund, Stephen R. Braund & Associates
- 11:15 am      **Arctic Nearshore Impact Monitoring in Development Area (ANIMIDA) Subtopic: Annual Assessment of Subsistence Whaling Near Cross Island** *(see day 1 for other ANIMIDA subtopics)*  
Mr. Michael Galginaitis, Applied Sociocultural Research
- 11:45 am      **North Slope Borough Economy, 1965 to Present**  
Mr. Pat Burden and Leah Cuyno, Ph.D., Northern Economics Inc.
- 12:15 pm      **Lunch**
- Other**
- 1:30 pm      **Fault-Tree Approach to Alternative Oil Spill Occurrence Estimators for the Beaufort/Chukchi Sea OCS**  
Frank Bercha, Ph.D., Bercha Group
- 2:00 pm      **Beaufort Sea and North Slope Pipeline GIS Database**  
Mr. John Eldred, Michael Baker, Jr. Inc.
- 2:30 pm      **End of meeting**

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